

Recombinant Human GDI1 Protein, GST-tagged

Cat. No. GDI1-4831H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GDI1 full-length ORF (AAH00317, 1 a.a. - 447 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI1 is expressed primarily in neural and sensory tissues. Mutations in GDI1 have been linked to X-linked nonspecific mental retardation. [provided by RefSeq]
Molecular Mass	74.91 kDa
AA Sequence	MDEEYDVIVLGTGLTECIPSGIMSVNGKKVLHMDRNPYYGGESSITPLEELYKRFQL LEGPPEMGRGRDWNVDLIPKFLMANGQLVKMLLYTEVTRYLDFKVVVEGSFVYKGG KIYKVPSTETEALASNLGMFEKRRFRKFLVFVANFDENDPKTFEGVDPQTTSMRD VYRKFDLGQDVIDFTGHALALYRTDDYLDQPCLETVNRILYSESLARYGKSPYLYPL YGLGELPQGFARLSAIYGGTYMLNKPVDDIIMENGKVVGVKSEGEVARCKQLICDPS YIPDRVRKAGQVIRIICILSHPIKNTNDANSCQIIIPQNQVNRKSDIYVCMISYAHNVAA QGKYIAIASTTVETTDPEKEVEPALELLGPIDQKFVAISDLYEPIDGCEQVFCSCSY

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DATTHFETTCNDIKDIYKRMAGTAFDFENMKRKQNDVFGAEQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GDI1 GDP dissociation inhibitor 1 [Homo sapiens]

Official Symbol

GDI1

Synonyms

GDI1; GDP dissociation inhibitor 1; GDIL, MRX41, MRX48; rab GDP dissociation inhibitor alpha; FLJ41411; mental retardation; X linked 41; X linked 48; OPHN2; rab GDP dissociation inhibitor; alpha; RABGDIA; XAP 4; GDI-1; protein XAP-4; rab GDI alpha; oligophrenin-2; mental retardation, X-linked 48; rab GDP-dissociation inhibitor, alpha; guanosine diphosphate dissociation inhibitor 1; 1A; GDIL; MRX41; MRX48; XAP-4; RABGD1A;

Gene ID

2664

mRNA Refseq

NM_001493

Protein Refseq

NP_001484

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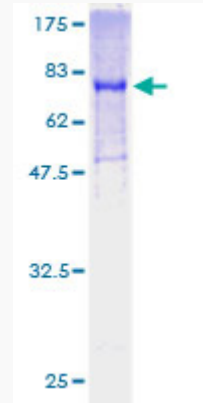
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MIM 300104

UniProt ID P31150

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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